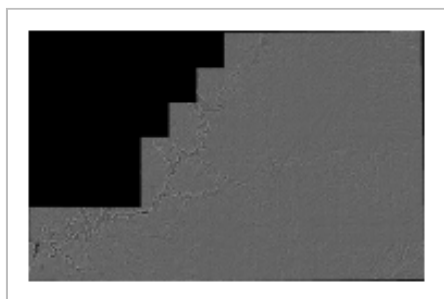


## Orthophoto Mosaic for Southwest San Juan County, Utah



**Data format:** Raster Dataset - MrSID

**File or table name:** San\_Juan\_SW\_UT\_DOQQ.sid

**Coordinate system:** Universal Transverse Mercator

**Theme keywords:** Digital Orthophoto, Mosaic, DOQ, ortho quad, ortho imagery, USDA, compression, MrSID, MDOQ

**Abstract:** This file was generated by compressing mosaicked digital orthophoto quadrangles (MDOQs) that cover a county. MrSID compression, with mosaic option, was used. Default values for the compression ratio are (20: 1) and compression levels(10) are used. MDOQs are a mosaic of digital orthophoto quarter quads (DOQs) produced through the National Digital Ortho Photo Program (NDOP). The image characteristics of the orthophotos in this series follow that of the source DOQs. The ground sample distance is 1 meter in the x direction and 1 meter in the y direction and the images are rectified to the UTM Coordinate System, NAD83. Each image covers a 7.5 minute quadrangle with a 300 meter overedge between quads. The DOQs are mosaicked to remove visible seam lines due to characteristics of the source aerial photography. Mosaic cutlines are interactively defined within the DOQ image overedge by examining each DOQ pairwise with adjoining DOQs and placing the seam line where image tone differences and geometric misalignments are minimized. Due to the overedge between ortho quads, and depending on the placement of seam lines, each ortho quad can contain portions of as many as 16 DOQs. During the mosaicking process, the image tone of all input DOQs is adjusted towards a common value. The primary purpose of the ortho quads is to support USDA Field Service Centers located in counties throughout the United States. The DOQs are edge matched or seamed across county boundaries. In counties that are split by UTM zones, ortho quads are reprojected into the predominate zone. Ortho quads may be produced and distributed in an incomplete form when constituent DOQs are not available at production date.

### FGDC and ESRI Metadata:

- [Identification Information](#)
- [Data Quality Information](#)
- [Spatial Data Organization Information](#)
- [Spatial Reference Information](#)
- [Entity and Attribute Information](#)
- [Distribution Information](#)
- [Metadata Reference Information](#)
- [Binary Enclosures](#)

Metadata elements shown with blue text are defined in the Federal Geographic Data Committee's (FGDC) [Content Standard for Digital Geospatial Metadata \(CSDGM\)](#). Elements shown with green text are defined in the [ESRI Profile of the CSDGM](#). Elements shown with a green asterisk (\*) will be automatically updated by ArcCatalog. ArcCatalog adds hints indicating which FGDC elements are mandatory; these are shown with gray text.

### Identification Information:

**Citation:****Citation information:****Originators:** USDA-FSA-APFO**Title:**

Orthophoto Mosaic for Southwest San Juan County, Utah

**\*File or table name:** San\_Juan\_SW\_UT\_DOQQ.sid**Publication date:** 20030402**\*Geospatial data presentation form:** remote-sensing image**\*Online linkage:**[\\Terra\\_dc\Navajo\NAUM\\_NN\\_Summary\DB\DOQQ\San\\_Juan\\_SW\\_UT\\_DOQQ.sid](#)**Description:****Abstract:**

This file was generated by compressing mosaicked digital orthophoto quadrangles (MDOQs) that cover a county. MrSID compression, with mosaic option, was used. Default values for the compression ratio are (20:1) and compression levels(10) are used.

MDOQs are a mosaic of digital orthophoto quarter quads (DOQs) produced through the National Digital Ortho Photo Program (NDOP). The image characteristics of the orthophotos in this series follow that of the source DOQs. The ground sample distance is 1 meter in the x direction and 1 meter in the y direction and the images are rectified to the UTM Coordinate System, NAD83.

Each image covers a 7.5 minute quadrangle with a 300 meter overedge between quads. The DOQs are mosaicked to remove visible seam lines due to characteristics of the source aerial photography. Mosaic cutlines are interactively defined within the DOQ image overedge by examining each DOQ pairwise with adjoining DOQs and placing the seam line where image tone differences and geometric misalignments are minimized. Due to the overedge between ortho quads, and depending on the placement of seam lines, each ortho quad can contain portions of as many as 16 DOQs. During the mosaicking process, the image tone of all input DOQs is adjusted towards a common value.

The primary purpose of the ortho quads is to support USDA Field Service Centers located in counties throughout the United States. The DOQs are edge matched or seamed across county boundaries. In counties that are split by UTM zones, ortho quads are reprojected into the predominate zone. Ortho quads may be produced and distributed in an incomplete form when constituent DOQs are not available at production date.

**Purpose:**

Digital orthophotos serve a wide variety of purposes from interim mapping to recording land use information.

**Supplemental information:**

Added a "San\_Juan\_SW\_UT\_DOQQ.sid.aux.xml" file to the set of files that comprise this

dataset. This AUX.XML identifies the Projection, Spheroid, and Datum for use of the MrSID file with ArcGIS 9.2.

**\*Language of dataset:** en

**Time period of content:**

**Time period information:**

**Multiple dates/times:**

**Single date/time:**

**Calendar date:** 1992

**Single date/time:**

**Calendar date:** 1993

**Single date/time:**

**Calendar date:** 1997

**Single date/time:**

**Calendar date:** 1998

**Currentness reference:**

Majority years of Photography Dates for MDOQs.

**Status:**

**Progress:** Complete

**Maintenance and update frequency:** Irregular

**Spatial domain:**

**Bounding coordinates:**

**\*West bounding coordinate:** -111.515714

**\*East bounding coordinate:** -109.728966

**\*North bounding coordinate:** 37.763821

**\*South bounding coordinate:** 36.861152

**Local bounding coordinates:**

**\*Left bounding coordinate:** 454576.000000

**\*Right bounding coordinate:** 611963.000000

**\*Top bounding coordinate:** 4179611.000000

**\*Bottom bounding coordinate:** 4080206.000000

**Keywords:**

**Theme:**

**Theme keywords:** Digital Orthophoto, Mosaic, DOQ, ortho quad, ortho imagery, USDA, compression, MrSID, MDOQ

**Theme keyword thesaurus:** None

**Place:**

**Place keywords:** UT, SAN JUAN, SAN JUAN CO UT FSA, 49037

**Place keyword thesaurus:** GNIS

**Access constraints:** None

**Use constraints:**

None, The Aerial Photography Field Office asks to be credited in derived products.

**Point of contact:**

**Contact information:**

**Contact organization primary:**

**Contact organization:** USDA-FSA Aerial Photography Field Office

**Contact address:****Address type:** mailing and physical address**Address:**

2222 West 2300 South

**City:** Salt Lake City**State or province:** Utah**Postal code:** 84119-2020**Country:** USA**Contact voice telephone:** 801-973-3500**Contact facsimile telephone:** 801-975-3529**Contact electronic mail address:** digital@apfo.usda.gov**Browse graphic:****Browse graphic file name:** [None](#)**Browse graphic file description:**

None

**Browse graphic file type:** None**\*Native dataset format:** Raster Dataset**\*Native data set environment:**

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.1.0.780

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**Data Quality Information:****Logical consistency report:**

None

**Completeness report:**

None

**Positional accuracy:****Horizontal positional accuracy:****Horizontal positional accuracy report:**

USGS Digital Orthophoto Specs.

**Vertical positional accuracy:****Vertical positional accuracy report:**

N/A 2d only

**Lineage:****Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710918

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1998

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710918

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**Source citation:**

**Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**

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**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

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**Time period information:**

**Single date/time:**

**Calendar date:** 1998

**Source currentness reference:**

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**Source citation:**

**Citation information:**

**Originators:** Aerial Photography Field Office

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**Publication date:** 20030402

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**Source citation abbreviation:**

MDOQ

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**Calendar date:** 1993

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Majority Year of Source Photography Dates for MDOQ M3711024

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**Source citation:**

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**Originators:** Aerial Photography Field Office

**Title:**

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**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

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**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1993

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711023

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**Source citation:**

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**Publication date:** 20030402

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**Type of source media:** CD

**Source citation abbreviation:**

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**Time period information:**

**Single date/time:**

**Calendar date:** 1993

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**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

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Majority Year of Source Photography Dates for MDOQ M3711021

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

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**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

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**Citation information:****Originators:** Aerial Photography Field Office**Title:**

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**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

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**Source contribution:**

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Majority Year of Source Photography Dates for MDOQ M3710926

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

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**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

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Majority Year of Source Photography Dates for MDOQ M3710925

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3711032



**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

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**Source time period of content:**

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**Single date/time:**

**Calendar date:** 1993

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**Source citation:**

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**Originators:** Aerial Photography Field Office

**Title:**

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**Publication date:** 20030402

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**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

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**Time period information:**

**Single date/time:**

**Calendar date:** 1993

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**Originators:** Aerial Photography Field Office

**Title:**

M3711030

**Publication date:** 20030402

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**Type of source media:** CD

**Source citation abbreviation:**

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**Source time period of content:****Time period information:****Single date/time:**

Calendar date: 1993

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M3711029

**Publication date:** 20030402

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**Source citation abbreviation:**

MDOQ

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Calendar date: 1993

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Majority Year of Source Photography Dates for MDOQ M3711029

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**Source time period of content:****Time period information:****Single date/time:**

**Calendar date:** 1993

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Majority Year of Source Photography Dates for MDOQ M3711028

**Source information:**

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**Originators:** Aerial Photography Field Office

**Title:**

M3711027

**Publication date:** 20030402

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**Type of source media:** CD

**Source citation abbreviation:**

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**Single date/time:**

**Calendar date:** 1993

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**Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**

M3710934

**Publication date:** 20030402

**Source scale denominator:** 40000

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**Source citation abbreviation:**

MDOQ

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**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1993

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Majority Year of Source Photography Dates for MDOQ M3710934

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**Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

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**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

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**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3711040

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

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**Source time period of content:****Time period information:****Single date/time:****Calendar date:** 1993**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711040

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3711039

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

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**Source time period of content:**

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**Single date/time:**

**Calendar date:** 1993

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711039

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**Source citation:**

**Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**

M3711038

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

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**Source contribution:**

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**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1993

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711038

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**Source citation:**

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**Originators:** Aerial Photography Field Office

**Title:**

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**Source citation abbreviation:**

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**Source time period of content:**

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**Single date/time:**

**Calendar date:** 1993

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711037

**Source information:**

**Source citation:**

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**Originators:** Aerial Photography Field Office

**Title:**

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**Publication date:** 20030402

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**Type of source media:** CD

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**Source contribution:**

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**Source time period of content:**

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**Single date/time:**

**Calendar date:** 1993

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**Title:**

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**Publication date:** 20030402

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Majority Year of Source Photography Dates for MDOQ M3711035

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7.5 min Mosaic Quadrangle used in Mosaicked County Image.

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**Single date/time:**  
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Majority Year of Source Photography Dates for MDOQ M3711034

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**Source citation:**

**Citation information:**

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**Title:**  
M3710942

**Publication date:** 20030402

**Source scale denominator:** 40000

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**Source citation abbreviation:**  
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**Source time period of content:**

**Time period information:**

**Single date/time:**  
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Majority Year of Source Photography Dates for MDOQ M3710942

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710941

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

**Source contribution:**

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**Source time period of content:****Time period information:****Single date/time:****Calendar date:** 1993**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710941

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3711048

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

**Source contribution:**

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**Source time period of content:****Time period information:****Single date/time:****Calendar date:** 1993**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711048

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**



M3711047

**Publication date:** 20030402

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**Type of source media:** CD

**Source citation abbreviation:**

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**Source time period of content:**

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**Single date/time:**

**Calendar date:** 1993

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Majority Year of Source Photography Dates for MDOQ M3711047

**Source information:**

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**Citation information:**

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**Title:**

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**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

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**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1993

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711046

**Source information:**

**Source citation:**

**Citation information:**

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**Title:**

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**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

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**Source time period of content:****Time period information:****Single date/time:**

Calendar date: 1993

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Majority Year of Source Photography Dates for MDOQ M3711045

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3711044

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

**Source contribution:**

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**Source time period of content:****Time period information:****Single date/time:**

Calendar date: 1993

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711044

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3711043

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

**Source contribution:**

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**Source time period of content:**

**Time period information:****Single date/time:****Calendar date:** 1993**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711043

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M3711042

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

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M3711041

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

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**Source contribution:**

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Majority Year of Source Photography Dates for MDOQ M3711041

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**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

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Majority Year of Source Photography Dates for MDOQ M3710949

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**Title:**  
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**Source citation abbreviation:**  
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**Calendar date:** 1993

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**Title:**  
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**Source citation:**  
**Citation information:**  
**Originators:** Aerial Photography Field Office

**Title:**  
M3711053

**Publication date:** 20030402

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**Type of source media:** CD  
**Source citation abbreviation:**  
MDOQ  
**Source contribution:**  
7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**  
**Time period information:**  
**Single date/time:**  
**Calendar date:** 1993

**Source currentness reference:**  
Majority Year of Source Photography Dates for MDOQ M3711053

**Source information:**  
**Source citation:**  
**Citation information:**  
**Originators:** Aerial Photography Field Office

**Title:**  
M3711052

**Publication date:** 20030402

**Source scale denominator:** 40000  
**Type of source media:** CD  
**Source citation abbreviation:**  
MDOQ  
**Source contribution:**  
7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**  
**Time period information:**  
**Single date/time:**  
**Calendar date:** 1993

**Source currentness reference:**  
Majority Year of Source Photography Dates for MDOQ M3711052

**Source information:**  
**Source citation:**  
**Citation information:**  
**Originators:** Aerial Photography Field Office  
  
**Title:**  
M3711051  
  
**Publication date:** 20030402

**Source scale denominator:** 40000  
**Type of source media:** CD  
**Source citation abbreviation:**  
MDOQ  
**Source contribution:**  
7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**  
**Time period information:**  
**Single date/time:**  
**Calendar date:** 1993

**Source currentness reference:**  
Majority Year of Source Photography Dates for MDOQ M3711051

**Source information:**  
**Source citation:**  
**Citation information:**  
**Originators:** Aerial Photography Field Office  
  
**Title:**  
M3711050  
  
**Publication date:** 20030402

**Source scale denominator:** 40000  
**Type of source media:** CD  
**Source citation abbreviation:**  
MDOQ  
**Source contribution:**  
7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**  
**Time period information:**  
**Single date/time:**  
**Calendar date:** 1993

**Source currentness reference:**

## Majority Year of Source Photography Dates for MDOQ M3711050

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3711049

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:****Time period information:****Single date/time:****Calendar date:** 1993**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711049

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3710958

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:****Time period information:****Single date/time:****Calendar date:** 1993**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710958

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office



**Title:**  
M3710957

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1993

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3710957

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**  
M3711064

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1993

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711064

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**  
M3711063

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1993

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711063

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**

M3711062

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1993

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711062

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**

M3711061

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:****Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711061

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3711060

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:****Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711060

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3711161

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:****Time period information:****Single date/time:****Calendar date:** 1992

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711161

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3711059

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:****Time period information:****Single date/time:****Calendar date:** 1992**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711059

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3711162

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:****Time period information:****Single date/time:****Calendar date:** 1992**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3711162

**Source information:****Source citation:****Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**  
M3711058

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**  
MDOQ

**Source contribution:**  
7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**  
**Time period information:**  
**Single date/time:**  
**Calendar date:** 1992

**Source currentness reference:**  
Majority Year of Source Photography Dates for MDOQ M3711058

**Source information:**

**Source citation:**  
**Citation information:**  
**Originators:** Aerial Photography Field Office

**Title:**  
M3711163

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**  
MDOQ

**Source contribution:**  
7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**  
**Time period information:**  
**Single date/time:**  
**Calendar date:** 1992

**Source currentness reference:**  
Majority Year of Source Photography Dates for MDOQ M3711163

**Source information:**

**Source citation:**  
**Citation information:**  
**Originators:** Aerial Photography Field Office

**Title:**  
M3711057

**Publication date:** 20030402

**Source scale denominator:** 40000  
**Type of source media:** CD  
**Source citation abbreviation:**  
MDOQ  
**Source contribution:**  
7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**  
**Time period information:**  
**Single date/time:**  
**Calendar date:** 1992

**Source currentness reference:**  
Majority Year of Source Photography Dates for MDOQ M3711057

**Source information:**  
**Source citation:**  
**Citation information:**  
**Originators:** Aerial Photography Field Office

**Title:**  
M3711164

**Publication date:** 20030402

**Source scale denominator:** 40000  
**Type of source media:** CD  
**Source citation abbreviation:**  
MDOQ  
**Source contribution:**  
7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**  
**Time period information:**  
**Single date/time:**  
**Calendar date:** 1992

**Source currentness reference:**  
Majority Year of Source Photography Dates for MDOQ M3711164

**Source information:**  
**Source citation:**  
**Citation information:**  
**Originators:** Aerial Photography Field Office

**Title:**  
M3610902

**Publication date:** 20030402

**Source scale denominator:** 40000  
**Type of source media:** CD  
**Source citation abbreviation:**  
MDOQ  
**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1997

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3610902

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**

M3610901

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1997

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3610901

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**

M3611008

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1997

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3611008

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3611007

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:****Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3611007

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3611006

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:****Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3611006

**Source information:****Source citation:**



**Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3611005

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:****Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3611005

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3611004

**Publication date:** 20030402**Source scale denominator:** 40000**Type of source media:** CD**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:****Time period information:****Single date/time:****Calendar date:** 1997**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3611004

**Source information:****Source citation:****Citation information:****Originators:** Aerial Photography Field Office**Title:**

M3611105

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1992

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3611105

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**

M3611003

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1992

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3611003

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**

M3611106

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:****Time period information:****Single date/time:**

Calendar date: 1992

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3611106

**Source information:****Source citation:****Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**

M3611002

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:****Time period information:****Single date/time:**

Calendar date: 1992

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M36111002

**Source information:****Source citation:****Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**

M3611107

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

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**Source time period of content:****Time period information:****Single date/time:**

**Calendar date:** 1992

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3611107

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**

M3611001

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1992

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3611001

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** Aerial Photography Field Office

**Title:**

M3611108

**Publication date:** 20030402

**Source scale denominator:** 40000

**Type of source media:** CD

**Source citation abbreviation:**

MDOQ

**Source contribution:**

7.5 min Mosaic Quadrangle used in Mosaicked County Image.

**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1992

**Source currentness reference:**

Majority Year of Source Photography Dates for MDOQ M3611108

**Process step:**

**Process description:**

The production procedures for mosaicking DOQs in ortho quads can vary according to the work project area. The following steps apply to the mosaicking process in general.

**Image Tone Adjustment**

The area of coverage that images are matched within are individual counties. Image tone adjustment is performed for two primary reasons:

1. To produce a well contrasted image so that users are not required to adjust the tone upon display or to create an enhancement lookup table upon delivery.
2. To reduce visible tone differences between mosaic seam lines.

Methods of Image tone adjustment:

**-- Manual Contrast Adjustment**

Each input DOQ image is viewed and, if necessary, the contrast and brightness is adjusted.

**-- Automatic Contrast Adjustment**

Each input DOQ within a county is also run through an automatic tone or range adjustment that drives all input images toward a common value. The intention is to reduce vignetting and "hot spots" from the source photography, and to minimize tone differences along mosaic seam lines.

**-- Seam Feathering**

Tone adjustment between input DOQs is adjusted along a gradation a specified distance out from the seam line. This smooths or feathers abrupt tone differences which would otherwise highlight seam lines.

**Defining Mosaic Seam Lines**

Input DOQs are displayed pairwise so the operator can decide where, within the overedge area, to place the seam lines. In general, the goal is to reduce visible seam lines due to differences in source photography.

Specifically, the goal is to: 1) Present single contiguous agricultural fields as though they are from a single date of source photography. 2) To minimize the visible effects of geometric misalignments between DOQs, such as an offset in linear field boundaries where adjoining DOQs meet.

The operator continually evaluates image tone differences and geometric misalignments between adjoining DOQs and interactively places the seam where both are minimized. DOQs are edge matched, or seamed, across county boundaries.

**Mosaic Generation**

Image 7.5 minute quad tiles are either generated individually and sequentially as work progresses through a project, or cut out from a larger mosaic after it is generated. Since the imagery is being resampled to the same coordinate system, nearest neighbor resampling is used.

Rules for Seam Line Placement:

1. Misalignments less than 3 meters with same photography dates.
  - No Restrictions on seam line placement.
2. Misalignments less than 3 meters with different photography dates.
  - Place seam in non-agricultural areas such as roadway easements, waterways etc..
  - Place seam in same apparent landcover type or conditions in agricultural areas such as pastures, fallow fields or cropped fields.
3. Misalignments greater than 3 meters with same photography dates.
  - If possible, avoid crossing linear features in agricultural areas with seam line.
4. Misalignments greater than 3 meters with different photography dates.
  - If possible, avoid crossing linear features in agricultural areas with seam line.
  - Place seam in non-agricultural areas such as roadway easements, waterways etc..
  - Place seam in same apparent landcover type or conditions in agricultural areas such as pastures, fallow fields or cropped fields.

This file was generated by compressing mosaicked digital orthophoto quadrangles (MDOQs) that cover a county. MrSID compression, with mosaic option, was used. Default values for the compression ratio are (20:1) and compression levels(10) are used.

**Process date:** 20030402

**Process step:**

**Process description:**

Added a "San\_Juan\_SW\_UT\_DOQQ.sid.aux.xml" file to the set of files that comprise this dataset. This AUX.XML identifies the Projection, Spheroid, and Datum for use of the MrSID file with ArcGIS 9.2.

**Process software and version:** ESRI ArcGIS 9.2

**Process date:** July 9, 2007

**Process contact:****Contact information:****Contact organization primary:****Contact organization:** TerraSpectra Geomatics**Contact address:****Address type:** mailing and physical address**Address:**

2700 E Sunset Rd, Ste A-10

**City:** Las Vegas**State or province:** NV**Postal code:** 89120**Country:** USA**Contact voice telephone:** 702-795-8254[Back to Top](#)

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**Spatial Data Organization Information:****Indirect spatial reference method:**

SAN JUAN, UT

**\*Direct spatial reference method:** Raster**Raster object information:****\*Image format:** MrSID**\*Number of bands:** 1**\*Row count:** 99405**\*Column count:** 157387**\*Vertical count:** 1**\*Cell size X direction:** 1.000000**\*Cell size Y direction:** 1.000000**\*Bits per pixel:** 8**\*Pyramid layers:** TRUE**\*Image colormap:** FALSE**\*Compression type:** Wavelet**\*Raster object type:** Pixel**\*Raster display type:** pixel codes**\*Raster origin:** Upper Left[Back to Top](#)

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**Spatial Reference Information:****Horizontal coordinate system definition:****Coordinate system name:****\*Projected coordinate system name:** NAD\_1983\_UTM\_Zone\_12N

\***Geographic coordinate system name:** GCS\_North\_American\_1983

**Planar:**

**Grid coordinate system:**

\***Grid coordinate system name:** Universal Transverse Mercator

**Universal Transverse Mercator:**

\***UTM zone number:** 12

**Transverse mercator:**

\***Scale factor at central meridian:** 0.999600

\***Longitude of central meridian:** -111.000000

\***Latitude of projection origin:** 0.000000

\***False easting:** 500000.000000

\***False northing:** 0.000000

**Planar coordinate information:**

\***Planar coordinate encoding method:** row and column

**Coordinate representation:**

\***Abscissa resolution:** 1.000000

\***Ordinate resolution:** 1.000000

\***Planar distance units:** meters

**Geodetic model:**

\***Horizontal datum name:** North American Datum of 1983

\***Ellipsoid name:** Geodetic Reference System 80

\***Semi-major axis:** 6378137.000000

\***Denominator of flattening ratio:** 298.257222

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## Entity and Attribute Information:

**Detailed description:**

\***Name:** Band\_1

**Entity type:**

\***Entity type label:** Band\_1

\***Entity type type:** Table

\***Entity type count:** 252

**Attribute:**

\***Attribute label:** ObjectID

\***Attribute alias:** ObjectID

\***Attribute definition:**

Internal feature number.

\***Attribute definition source:**

ESRI

\***Attribute type:** OID

\***Attribute width:** 4

\***Attribute precision:** 0

\***Attribute scale:** 0

**Attribute domain values:**

\***Unrepresentable domain:**



Sequential unique whole numbers that are automatically generated.

**Attribute:**

\***Attribute label:** Value  
 \***Attribute alias:** Value  
  
 \***Attribute type:** Integer  
 \***Attribute width:** 0  
 \***Attribute precision:** 0  
 \***Attribute scale:** 0

**Attribute:**

\***Attribute label:** Count  
 \***Attribute alias:** Count  
  
 \***Attribute type:** Integer  
 \***Attribute width:** 0  
 \***Attribute precision:** 0  
 \***Attribute scale:** 0

**Overview description:**

**Entity and attribute overview:**

8-bit pixels represent brightness values 0 - 255

**Entity and attribute detail citation:**

None

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## Distribution Information:

**Distributor:**

**Contact information:**

**Contact person primary:**

**Contact person:** Supervisor Digital Services Branch  
**Contact organization:** USDA-FSA Aerial Photography Field Office

**Contact address:**

**Address type:** mailing and physical address

**Address:**

2222 West 2300 South  
**City:** Salt Lake City  
**State or province:** Utah  
**Postal code:** 84119-2020  
**Country:** USA

**Contact voice telephone:** 801-975-3500

**Contact facsimile telephone:** 801-975-3529

**Contact electronic mail address:** digital@apfo.usda.gov

**Resource description:** Spot Number: 417529

**Distribution liability:**

In no event shall the creators, custodians, or distributors of this information be liable for any damages arising out of its use ( or the inability to use it).

#### Standard order process:

##### Digital form:

##### Digital transfer information:

**Format name:** Tiff

##### Format information content:

Black and White

\***Transfer size:** 577.292

\***Dataset size:** 577.292

##### Digital transfer option:

##### Online option:

##### Computer contact information:

##### Network address:

**Network resource name:** [None](#)

##### Offline option:

**Offline media:** CD-ROM

**Recording format:** ISO 9660

**Fees:** Contact the Aerial Photography Field Office for more information

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## Metadata Reference Information:

\***Metadata date:** 20070712

\***Language of metadata:** en

#### Metadata contact:

##### Contact information:

##### Contact organization primary:

**Contact person:** REQUIRED: The person responsible for the metadata information.

**Contact organization:** USDA-FSA Aerial Photography Field Office

##### Contact address:

**Address type:** mailing and physical address

##### Address:

2222 West 2300 South

**City:** Salt Lake City

**State or province:** Utah

**Postal code:** 84119-2020

**Country:** USA

**Contact voice telephone:** 801-975-3500

\***Metadata standard name:** FGDC Content Standards for Digital Geospatial Metadata

\***Metadata standard version:** FGDC-STD-001-1998

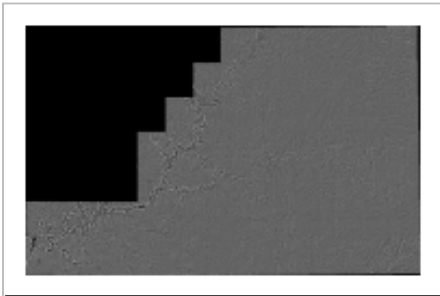
\***Metadata time convention:** local time

**Metadata extensions:**

- \* **Online linkage:** <http://www.esri.com/metadata/esriprof80.html>
- \* **Profile name:** ESRI Metadata Profile

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**Binary Enclosures:****Thumbnail:****Enclosure type:** Picture[Back to Top](#)